

Adobe PDF Library v6

Datalogics

ADOBE PDF LIBRARY

Installation Guide

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About *This* *Guide*

This guide describes the system components and installation requirements for the *Adobe PDF Library* (APDFL) and the *Datalogics Interface* (DLI). This guide also includes information on how to configure the development environment, and discusses application considerations.

Introduction

This chapter explains the scope and contents of this guide, provides highlights of each chapter, describes the organization of the information, and explains the conventions used throughout.

The Purpose of This Book

This guide is intended to provide information necessary to install and set up the *Adobe PDF Library* (APDFL) and *Datalogics Interface* (DLI). However, it is not a replacement of Adobe's own *Adobe PDF Library* Overview document, but should be used as a supplement.

NOTE: Datalogics ports the *Adobe PDF Library* and *DLI* to the HP-UX, OS/390, OS/400 and SGI IRIX platforms, but also supports the products on the original Adobe-selected platforms. Except where noted, information in this Datalogics manual applies to all platforms, not just those to which Datalogics has ported the software.

What You Should Know

This book is not for developers new to application programming interfaces; therefore, it does not describe programming concepts and techniques. The following list describes the level of experience or knowledge required to understand this book:

- Product development knowledge in addition to programming, such as database and macro development
- Familiarity with the process of writing applications
- Understanding of high-level language Application Programming Interfaces (APIs)
- Knowledge of programming on the specific platform of interest, including use of the corresponding development tools
- A general understanding of the structure and contents of PDF files and the PostScript language
- Experience in managing fonts (the complete set of characters of a particular design), including the style, arrangement and appearance of typeset matter for print or electronic display from composition
- Knowledge of the operating-system environment of the platform

You should have access to the *Adobe PDF Library* Applications Programming Interface (API) manual, related *Datalogics Interface* documentation, and the Adobe PDF Specifications manual for your system. You should find these documents provided within your release, accessible via the `referenceLibrary.pdf` document using the copy of *Adobe Reader* provided (or any other PDF viewer utility).

The explanations and assumptions in this guide refer to *Adobe PDF Library* v6.1.1Plus and *DLI* v3.0 or higher.

How This Book is Organized

The following list provides an outline of the chapters as well as a brief description of their contents. Click on each Chapter title below to jump to its first page.

Chapter 1: **"About This Guide"** (*This chapter*) outlines the chapters to follow, explains the document conventions used here, and lists other related documentation which you may find useful for your work.

Chapter 2: **"Installing the PDF Library and DLI"** provides installation procedures for *Adobe PDF Library* and *DLI* by platform.

Chapter 3: **"Configure Your Environment"** describes how to configure your development environment after installation and before incorporating the Library into your applications.

Document Conventions

The terms *note*, *link* and *bookmark* are used in this book the same way they are in the user interface of *Adobe PDF Library* v6.1.1Plus®, *Adobe Acrobat*® and *Adobe Reader*®. These correspond to the *text annotation*, *link annotation* and *routine entry* structures (respectively) that appear in a PDF file. See the Portable Document Format Reference Manual for a description of the PDF file format.

The following documentation conventions appear throughout the manual to help you differentiate regular text from product and program names, and to distinguish command syntax.

- Product and program names are set in *italic* type.
- Multi-line examples are separated from the text and set in

`Courier monospace`

- Directory names and filenames are contained within the text and set in `Courier monospace`.
- Commands are contained within the text and set in `Courier monospace`.
- New terms are *italicized*.
- Page numbers in this book do not correspond to page numbers in the PDF file. The numbering scheme (e.g. 4.1 or A.10) indicates the chapter number (4) or appendix letter (A) first, followed by the page number (1 or 10), separated by a period.

Related Documentation

The following documents will be useful in developing applications using *DLI*.

Datalogics Resources

Adobe PDF Library and DLI Installation Guide (*This book*) This document describes the installation requirements for using the *Adobe PDF Library* and *DLI* on the various platforms to which Datalogics has ported these products.

Adobe PDF Library Developer Overview This document is designed to aid developers with incorporating the API calls for the *Adobe PDF Library* into their composition application.

DLI Implementation and Reference Guide This document details the *Datalogics Interface*, a simplified interface to the COS Layer of the *Adobe PDF Library*.

Java Interface User Guide This document details the *Datalogics Java Interface*, a Java-language wrapper interface to the *Adobe PDF Library* and *DLI*.

Adobe Resources

The following documents are distributed by Adobe as part of the original *Adobe PDF Library* release, and are redistributed by Datalogics without alteration. These and other documents may also be found on the Adobe website at <http://partners.adobe.com/asn/acrobat/technotes.jsp>. (Descriptions below are provided by Adobe as part of their original accompanying `readme.txt` file.)

NOTE: Adobe Solutions Network (ASN) membership may be required in order to access some material on the Adobe website. See <http://partners.adobe.com/asn/programs/developer/index.jsp> for more details.

Portable Document Format Reference Manual This document describes PDF Standard 1.5 specifications. The latest version may be found at <http://partners.adobe.com/asn/tech/pdf/specifications.jsp>.

NOTE: Adobe also provides an accompanying errata file for this manual, with last-minute updates and corrections. One copy is provided with this documentation (see your documentation file folder), and you can check for newer copies at <http://partners.adobe.com/public/developer/en/pdf/errata.txt>

Adobe PDF Library Overview Technical Note #5189 provides background information and development information for the *Adobe PDF Library*. Read this document before beginning development for information such as supported platforms, known issues and development requirements.

Acrobat Core API Overview Technical Note #5190 provides an overview of the Acrobat API in general. It covers information applicable to both Plug-in development and Library development. Read this document to obtain an understanding of how the Acrobat API is organized.

AcroColor API Reference Technical Note #5425 explains the *Host Function Table* (HFT) that allows you to access the *AcroColor Engine* (ACE), which controls color profile.

Acrobat Core API Reference Technical Note #5191 is the reference manual for all of the Acrobat API methods made available by the Acrobat Viewer. It documents the parameters, return values and availability of each method, as well as specific implementation notes. This document is useful while developing with the *Adobe PDF Library* or planning development to determine method availability and capabilities.

PDF Library Supplement to the Acrobat Core API Technical Note #5414 complements the Acrobat Core API Reference and is specific to the *Adobe PDF Library* API methods. This is an important and useful document for all *Adobe PDF Library* developers.

Installing

the PDF Library and

DLI

This chapter covers installation procedures and lists supported platforms and compilers.

Supported Platforms and Compilers

The following table lists the supported platforms, operating system and compiler versions for the *Adobe PDF Library* and *DLI*. Except where noted, support for a higher version above and beyond that listed below is not automatically implied. Please see “Notes on Supported Platforms and Compilers” on page 2.2 (below) for more details.

Table 2-1: Supported Platforms and Version Numbers

Platform	Operating System Version	Compiler and Version
HP IA32	32-bit HP/UX v11.23	acc 5.50
HP IA64	64-bit HP/UX v11.23	acc 5.50
HP PA-RISC	HP/UX v11.0	acc 3.50
IBM AIX	v5.1	gcc v3.3 for AIX Compiler or XL C/C++ (VisualAge) compiler, version 6
IBM AS/400	OS/400 (Service programs distributed as V4R5-compatible)	ILEC C, C++ V5R1
IBM MVS	OS/390 V2R9	(TBD) †
IBM USS	Z/OS v1.2 and higher	(TBD) †
IRIX	v6.5 and higher	gcc v3.3
Linux	Red Hat 7.2 and 8.0	gcc v3.2
Macintosh	Mac OS X Carbon	CodeWarrior v8.3
Sun Solaris	v8 and higher	gcc v3.2
Windows (Intel)	Windows NT 4.0 (Service Pack 6 and higher), 2000 or XP	MS Visual Studio C++ v6.0 or MS Visual Studio .NET

Notes on Supported Platforms and Compilers

- 1 The preceding table refers to *Adobe PDF Library* v6.1.x and *DLI* v3.x releases (and higher) only. If building your application with a prior release, please consult its accompanying documentation.
- 2 Except where noted, the preceding table refers to 32-bit implementations only.
- 3 Datalogics distributes *DLI* with International Components for Unicode (ICU) v2.6. Depending on your application and system configuration, it may be easier for you to use your own ICU build. Any of the v2.6.x series should be compatible with *DLI*, if it was built in a compatible manner (*i.e.* corresponding tools and compiler).
- 4 † Compiler and Version for IBM MVS and USS platforms are to be determined.

Adobe PDF Library Installation Procedure

Platform-specific installation procedure notes follow below. After the code libraries have been installed, documentation files should be unpacked in the appropriate areas. (They are not automatically installed as part of the software.)

If you are reading this Installation manual prior to running the installation procedure itself (*e.g.* after downloading this manual from the Datalogics website), please continue with the installation of the software release itself first, after which the documentation files can be unpacked into the directories created during the software install, per the directions given in “Documentation Unpacking” on page 2.22.

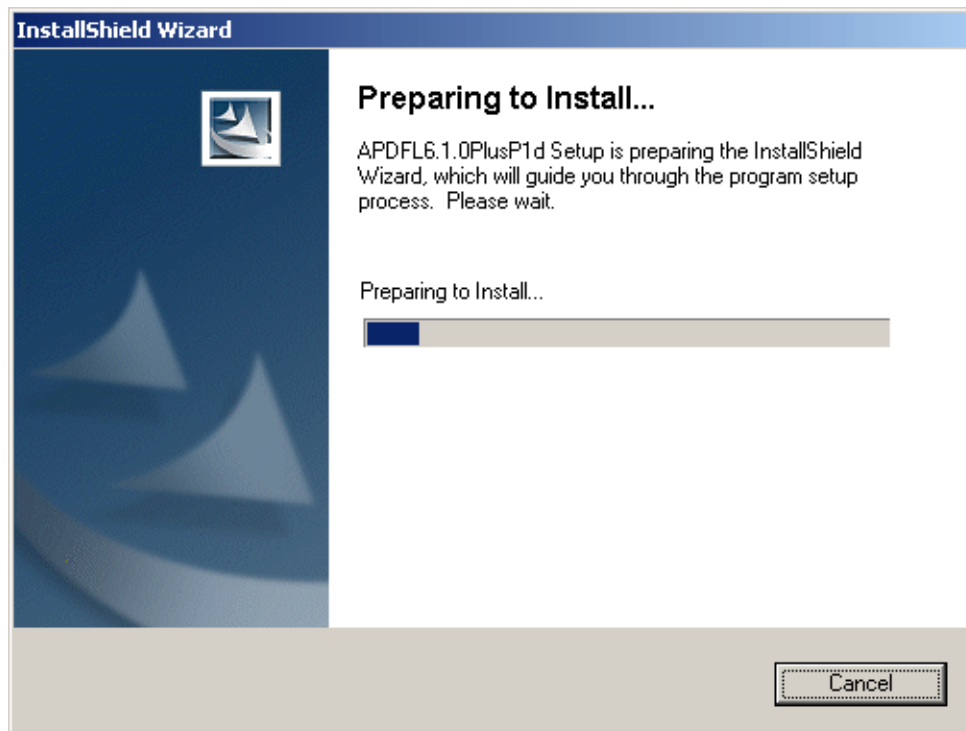
Windows Installation

An installation directory will be delivered with the product on CD-ROM, or made available for download from a secure ftp user account on the Datalogics ftp site ([ftp.datalogics.com](ftp://ftp.datalogics.com)). This directory contains all the files you will need to install the *Adobe PDF Library* and *Datalogics Interface*.

NOTE: Throughout this guide, vxxx is used to denote the version number of the product, such as *Adobe PDF Library* v6.1.0Plus. This formula applies not only to the product itself, but also to any generated files or directories which are associated with and contain that version number.

Before beginning a new installation, you should uninstall any prior releases of *Adobe PDF Library* and *Datalogics Interface*. (*InstallShield* itself will check for current copies of the installation; see “Repetitive Installations” on page 2.10 for further details.) Next, locate and double-click on the *Setup.exe* program, and *InstallShield* will guide you through the installation.

- 1 An initial setup screen will appear as *InstallShield* loads:

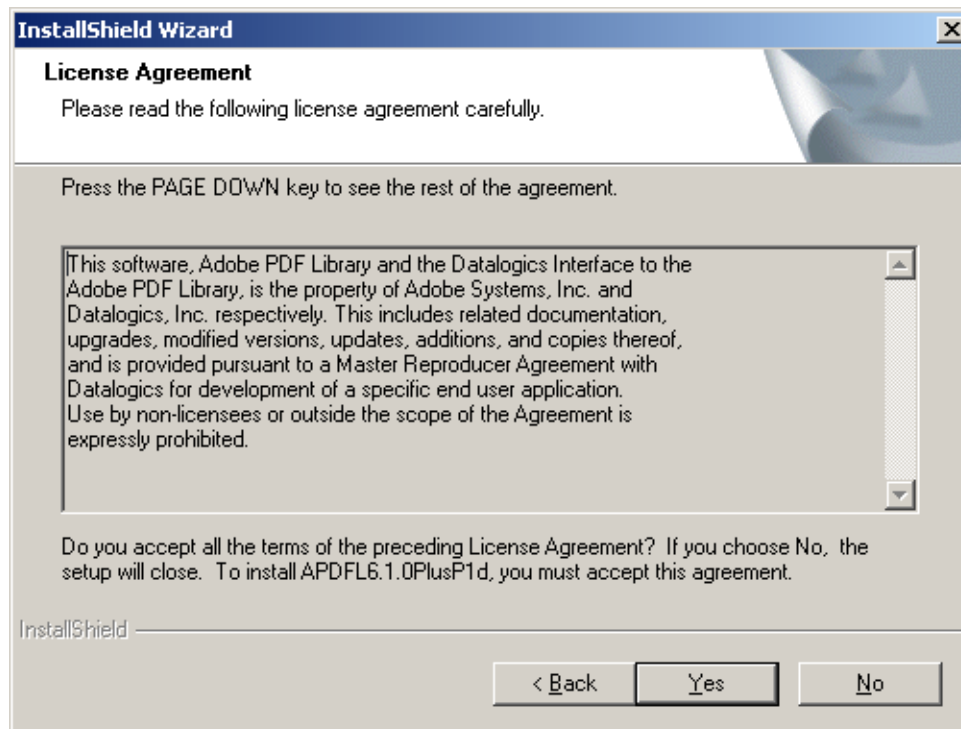


- 2 After InstallShield has initialized, a welcome screen will appear:



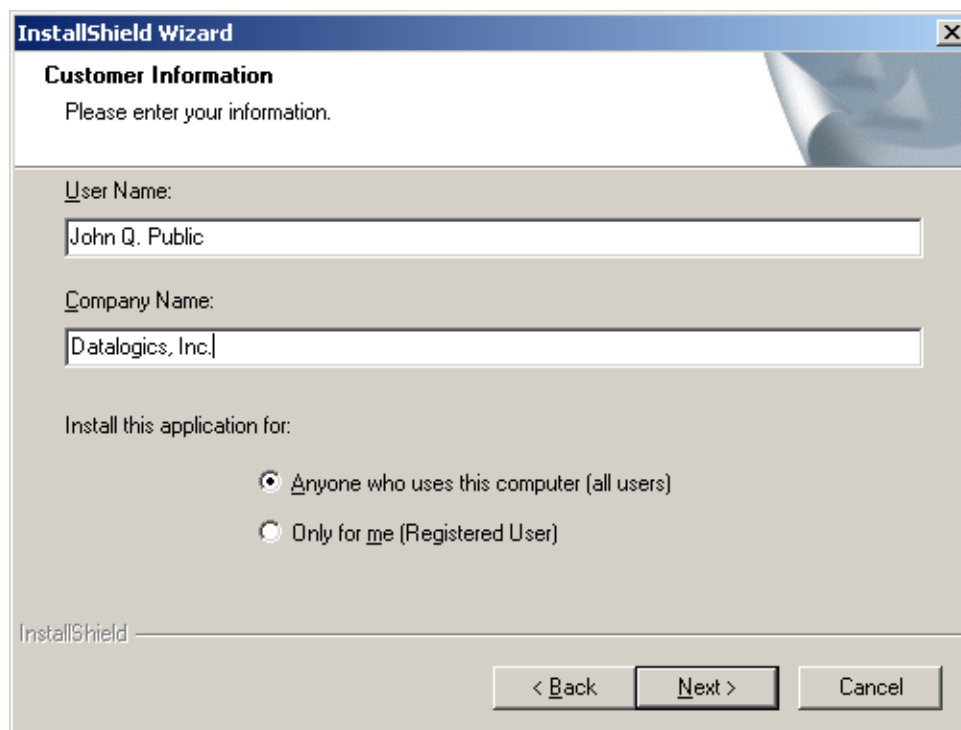
Click the Next button to proceed.

- 3 You must accept the License Agreement in order to continue with the installation:



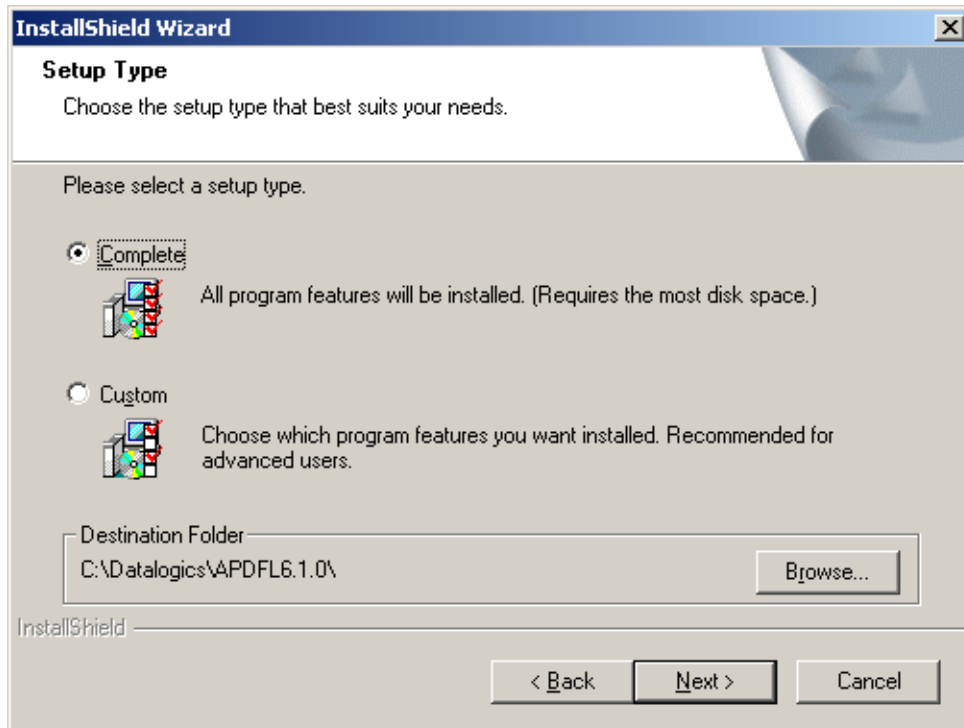
Click the Yes button to proceed.

- 4 At the Customer Information screen, enter your User Name and Company Name in the corresponding fields:



Accept the "Anyone" radio button if any users beside yourself will be using the application, or select the "Only for me" (current user logged in) option if you are the only person who should be using the application.

- 5 Select the Setup Type and the destination folder:



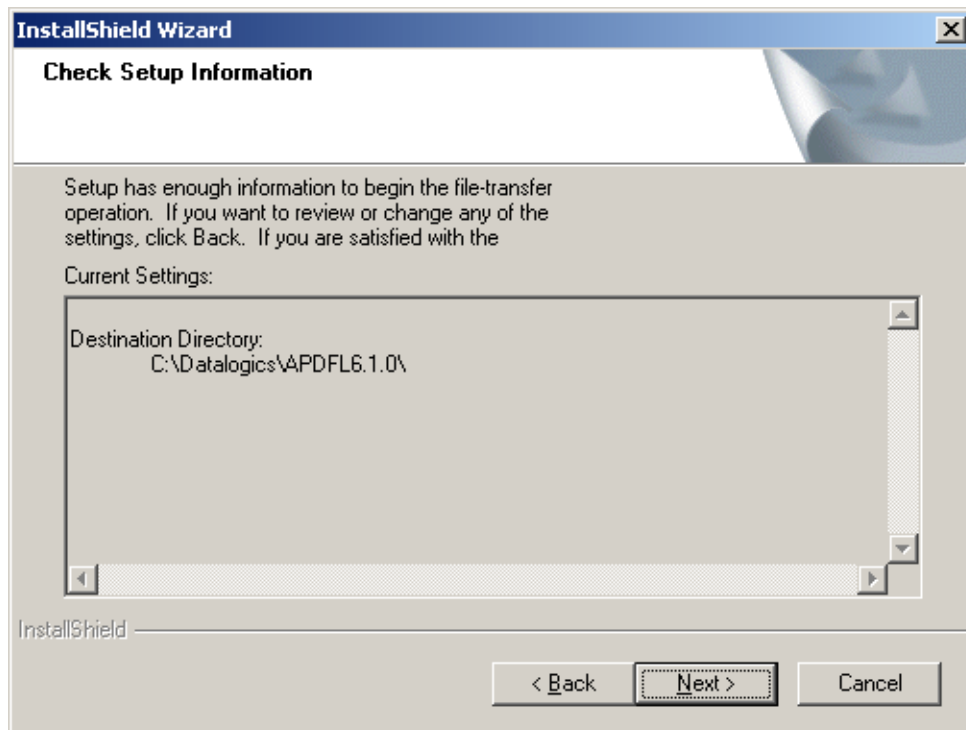
While the Custom option does allow you to choose which program features you want installed, in general practice we recommend installing all features at once. See "Selecting Features" on page 2.11 for further details.

By default, *InstallShield* will place the new release under the `C:\DataLogics\APDFLxxx\` directory structure, where "xxx" denotes the current Library version. (Thus a new release of *Adobe PDF Library* and *DLI* will typically reside at the same level as previous releases, not overwrite them.) Click

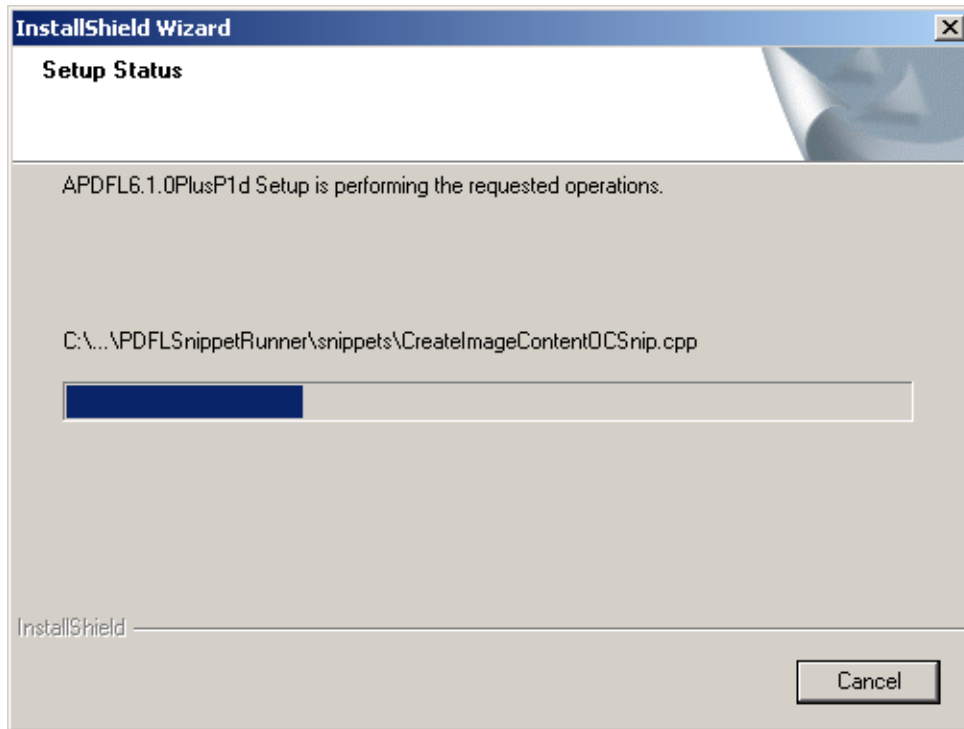
the Browse button to select an alternate location.

NOTE: Versions of the *Adobe PDF Library* and *DLI* prior to *APDFL v4.05* were placed in **C:\Program Files** by default. You should ensure that any old DLL files and/or PATH definitions relating to the previous installations have been removed.

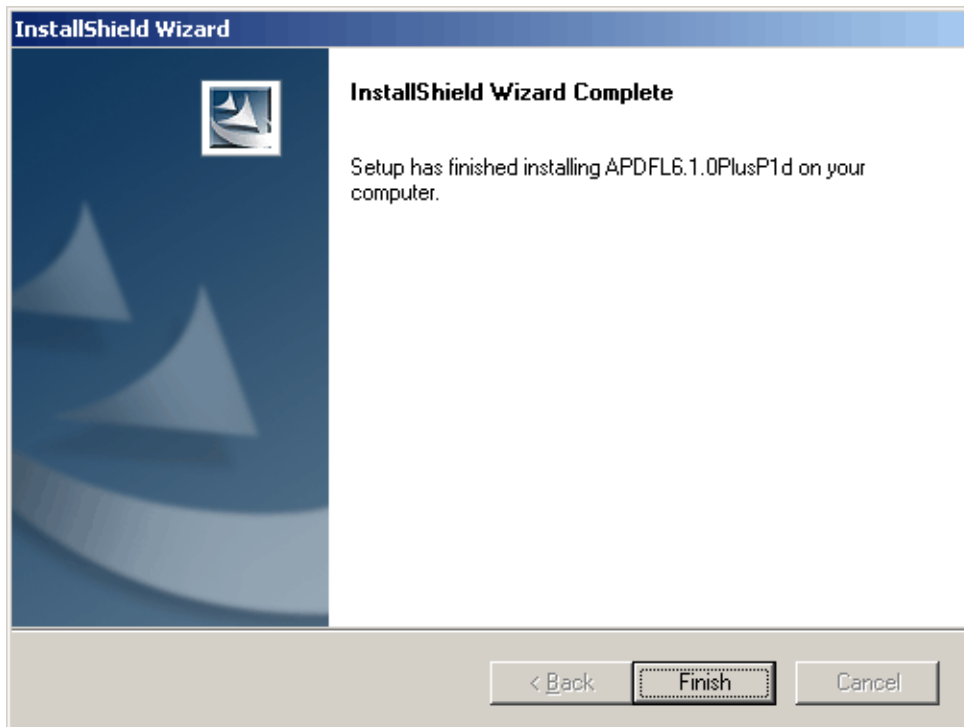
- 6 Doublecheck the displayed installation location and click the Next button to proceed



- 7 At this point *InstallShield* will begin the installation, displaying a Setup Status screen as it progresses:



- 8 When the completion screen appears, click the Finish button to conclude.



- 9 To install the documentation files, see “Documentation Unpacking” on page 2.22.

By default, the *Adobe PDF Library* and *DLI* will be installed under C:\Datalogics\.

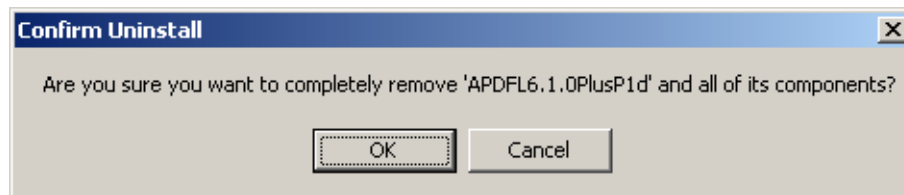
The *Adobe PDF Library* is placed in C:\Datalogics\APDFLxxx\Apdf1\
(e.g. C:\Datalogics\APDFL6.1.0\Apdf1\).

The *Datalogics Interface* is placed in C:\Datalogics\APDFLxxx\Dli\
(e.g. C:\Datalogics\APDFL6.1.0\Dli\)

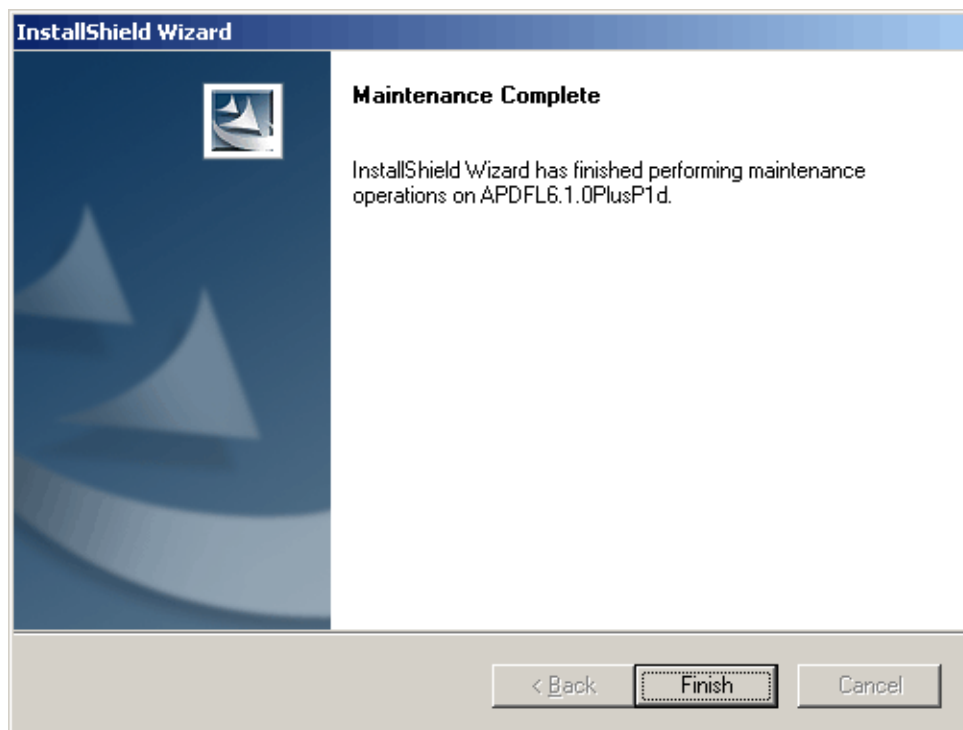
NOTE: Versions of the *Adobe PDF Library* and *DLI* prior to *APDFL* v4.05 were placed in C:\Program Files\ by default. You should ensure that any old DLL files and/or PATH definitions relating to the previous installations have been removed.

Repetitive Installations

In order to avoid installing multiple copies of *Adobe PDF Library* on your machine, *InstallShield* detects whether a previous copy of this *Adobe PDF Library* version is already installed. If so, it will need to remove it before proceeding with the new installation release, via the following popup:



Accepting the Confirm Uninstall prompt will clear the previous copy of the release from the machine, ending with this completion screen:

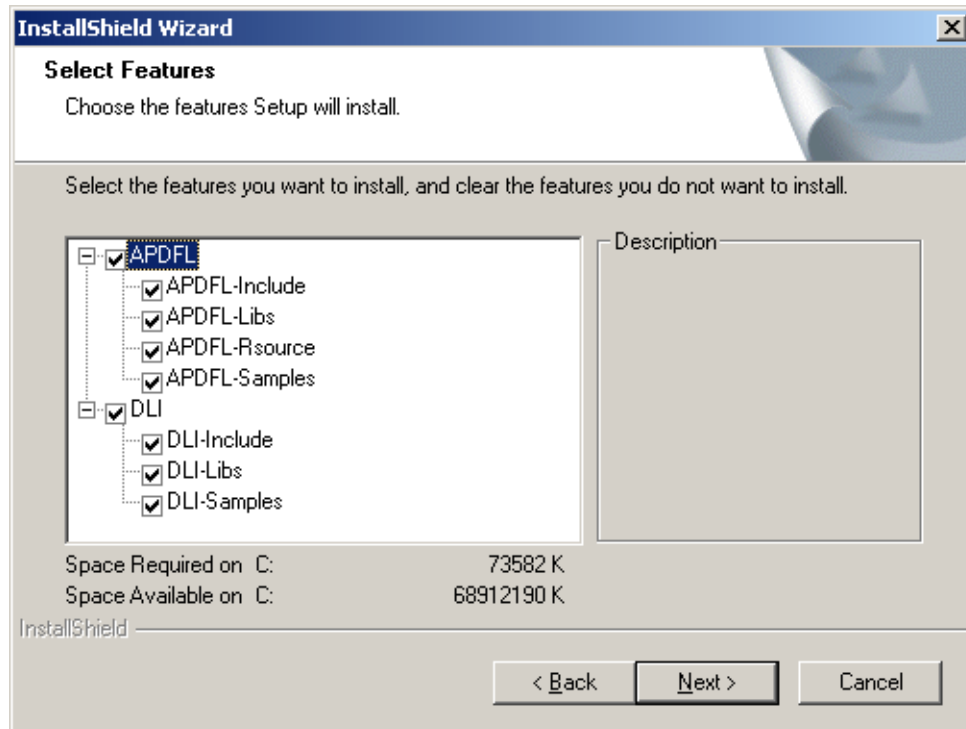


At this point you must re-start the installation by again locating and double-clicking on the `Setup.exe` program.

NOTE: *InstallShield* prohibits only duplicate copies of the current version from residing on the machine; it does not prohibit prior releases. However, you should ensure that any prior releases are either isolated from the current environment in some manner (e.g. if they must be retained for backwards-compatibility or regression testing) or uninstalled in order to prevent inadvertent conflicts with the new release.

Selecting Features

During installation, while you are on the Setup Type installation screen, *InstallShield* will offer the option of selectively installing only certain portions of the *Adobe PDF Library* and *DLI*. If you select the Custom radio button to choose which program features you want to install, this screen will appear:



If desired, you can check or un-check the boxes above, which correspond to subfolders under the directory trees created for *APDFL* and *DLI* during installation.

Normally, a full installation is always recommended. However, this optional screen may be useful if needed to replace only certain files and folders for any reason, such as if folders were inadvertently corrupted or lost.

DLL File Placement

The Library is considered to be a toolbox rather than an application unto itself, and so the installation procedure does not automatically place DLL files in known system resource locations such as `C:\Windows\System32`, etc. Similarly, system registries are not modified during installation. It is assumed that when you build your own Library application, you will allocate resources in your own setup procedures, and make their location(s) known to your application.

When installing an update or upgrade of *Adobe PDF Library* and *DLI*, be sure to propagate the new library and DLL files to any locations where the previous copies may reside.

OS/400 Installation

To install the *Adobe PDF Library* for OS/400, follow the steps below to restore the files. OS/400 releases are named PDFLVxxxPxx, where vxxx is the Library Version Number (e.g. 6.1.0) and Pxx is the Release Designation (e.g. P1d).

- 1 Create a directory on your C:\ drive called PDFLVxxx and extract the SAVf file into it.
- 2 Log in to your OS/400.
- 3 Start PDM.
- 4 Select the Work With Libraries option.
- 5 Check whether a previous copy of the *Adobe PDF Library* is currently installed. If so, rename or remove it:

Specify Libraries to Work With

Type choice, press Enter.

```
Library . . . . PDF*          *LIBL, name, *generic*, *ALL
                                *ALLUSR, *USRLIBL, *CURLIB
```

Work with Libraries Using PDM S103HD4M

```
List type . . . . *ALL          Position to . . .
```

Type options, press Enter.

```
2=Change      3=Copy          4=Delete      5=Display
7=Rename      8=Display description  9=Save     10=Restore
```

Opt	Library	Type	Text
	PDFL405E2L	*PROD	PDFLib v4.05 DLBUILD-1.13.12.1s
	PDFL405P2K	*TEST	PDFLib v4.05 DLBUILD-1.13.12.1s
	PDFL405P2P	*TEST	
	PDFL502P4E	*PROD	

e.g. CRTLIB PDFL600P1D

- 6 Now create a SAVF file to match the distribution:

```
CRTSAVF FILE(PDFL600P1D/PDFL600P1D) TEXT('PDFL600P1D savf')
```

7 Next, do a binary ftp of the SAVF file from your PC to your AS/400:

```
C:\>ftp my400
Connected to my400.network.com.
220-QTCP at my400.
220 Connection will close if idle more than 5 minutes.
User (my400.network.com:(none)): me999
331 Enter password.
Password: mypass
230 me999 logged on.
ftp> cd PDFL600P1D
250 "PDFL600P1D" is current library.
ftp>bin
ftp>put pdf1600P1d.savf pdf1600P1d
```

8 Now check the name of the SAVLIB for the SAVF file. For the SAVF file copied from the PC, display the object:

```
Work with Objects Using PDM S103HD4M

Library . . . . . PDFL600P1D      Position to . . . . .
                                Position to type . . . . .

Type options, press Enter.
  2=Change      3=Copy      4=Delete      5=Display      7=Rename
  8=Display description      9=Save      10=Restore      11=Move

Opt  Object      Type      Attribute      Text
_5_  PDFL RTP1D  *FILE      SAVF      rtp1d
```

9 Obtain the Library Saved information from the Display Saved Objects - Save File screen, as it may or may not match the SAVF file name:

```
Display Saved Objects - Save File

Library saved: SAVNAME Release level: V5R1M0
ASP: 1 Data compressed: No
Save file: PDF600P1D Objects displayed: 6
Library: PDFL600P1DP1D Objects saved: 43
Records: 376608 Access paths: 0
Save command: SAVOBJ
Save active: *NO
Save date/time: 08/13/03 16:51:49
```

Type options, press Enter.
5=Display saved data base file members

10 Next, go back to your AS/400 section and restore the objects:

```
libname / savf name libname
RSTOBJ OBJ(*ALL) SAVLIB(SAVNAME) DEV(*SAVF)
SAVF(PDFL600P1D PDFL600P1D) RSTLIB(PDFL600P1D)
```

This should restore a number of objects:

Opt	Object	Type	Attribute	Text
	ACROFORM	*PGM	CLE	DLI
	ACROFORMB	*PGM	CLP	DLI/Acroform compile & link
	ADDELEMB	*PGM	CLP	
	ADDIMAGEB	*PGM	CLP	
	ANNOTATEB	*PGM	CLP	DLI/Annotations compile & link
	BOOKMARKB	*PGM	CLP	
	CRTDLIMOD	*PGM	CLP	DLI compile
	CRTDLISAMP	*PGM	CLP	DLI compile and create
	CRTSAMPLE	*PGM	CLP	ADOBE compile and create
	ENCRYPTB	*PGM	CLP	DLI/Encryption compile & link
	FONTEMBD	*PGM	CLE	ADOBE
	FONTEMBDB	*PGM	CLP	
	FONTFAUX	*PGM	CLE	DLI
	FONTFAUXB	*PGM	CLP	DLI/FontFaux compile & link
	FONTVER	*PGM	CLE	DLI
	FONTVERB	*PGM	CLP	DLI/FontVerification compile & link
	GETTEXTB	*PGM	CLP	
	GRAPHICS	*PGM	CLE	ADOBE
	GRAPHICSB	*PGM	CLP	DLI/Graphics compile & link
	HELLODLIB	*PGM	CLP	DLI/Hello world compile & link
	HELOWRLDB	*PGM	CLP	
	IMAGESB	*PGM	CLP	DLI/Images compile & link
	INITTERMB	*PGM	CLP	DLI/PDFL Init/Term compile & link
	LINEDRAWB	*PGM	CLP	DLI/Line drawing compile & link
	LINKSB	*PGM	CLP	DLI/Links compile & link
	MAKEPATHB	*PGM	CLP	
	MERGEPDFB	*PGM	CLP	
	MULTIDOCB	*PGM	CLP	DLI/MultiDoc compile & link
	PATHSB	*PGM	CLP	DLI/Paths compile & link
	PRINTPDFB	*PGM	CLP	
	REFCOUNTB	*PGM	CLP	
	RSTTMP	*PGM	CLP	

TESTBEDB	*PGM	CLP	DLI/Testbed compile & link
TEXTETRIB	*PGM	CLP	
THUMBS	*PGM	CLE	
THUMBSB	*PGM	CLP	
UNFILTERIB	*PGM	CLP	
USEWIDTHSB	*PGM	CLP	DLI/UseWidths compile & link
DLAPDFLACE	*SRVPGM		APDFL v6.1.0PlusP1d - ACE
DLAPDFLAGM	*SRVPGM		APDFL v6.1.0PlusP1d - AGM
DLAPDFLBIB	*SRVPGM		APDFL v6.1.0PlusP1d - BIB
DLAPDFLCT	*SRVPGM		APDFL v6.1.0PlusP1d - CoolType
DLAPDFLDLI	*SRVPGM	CLE	APDFL v6.1.0PlusP1d - DLI 3.0
DLAPDFLOPP	*SRVPGM		APDFL v6.1.0PlusP1d - OPP
DLAPDFL60	*SRVPGM		APDFL v6.1.0PlusP1d - PDFL Core
LIBASCII	*SRVPGM	CLE	LibASCII Service Program: Release 1.0
CPP	*FILE	PF-SRC	
H	*FILE	PF-SRC	
PROC	*FILE	PF-SRC	AS/400 CL Procedures
SAMPLES	*FILE	PF-SRC	
TMP	*FILE	SAVF	/tmp/samples

(Actual filenames and contents may vary.)

11 Once restored, add the library to your library list and make it current:

```
====> ADDLIB LIB(PDFL600P1D)
====> CHGCURLIB PDFL600P1D
```

12 If you wish to run the provided samples, you will also need to restore the TMP SAVF file:

```
====> CALL PDFL600P1D/RSTTMP
```

13 Finally, delete the SAVF files if you wish to conserve space.

14 To install the documentation files on a Windows machine, see “Documentation Unpacking” on page 2.22.

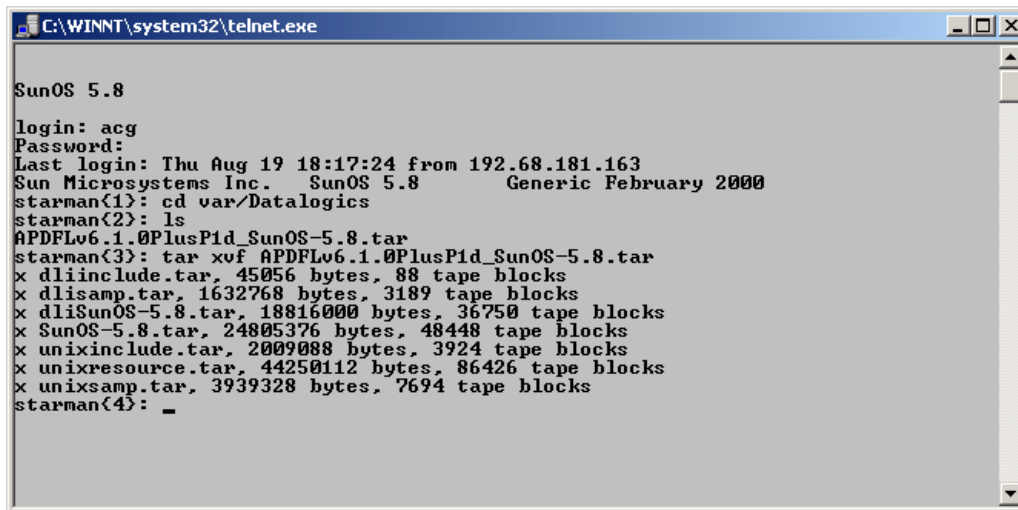
UNIX Installation

Unix installations will typically contain both *Adobe PDF Library* and *DLI* release files in one .tar file. After downloading via ftp or copying the release from CD-ROM (depending on how you receive your software from Datalogics), select a high-level location for unpacking the release: *e.g.* /var, /opt, /var/Datalogics or /opt/Datalogics. The release will unpack itself into directory trees under the current location.

The following steps demonstrate a typical installation on a Solaris v5.8 machine. Other Unix platforms will be similar:

- 1 Copy the .tar file to your selected location; *e.g.* /var/Datalogics.
- 2 Issue the unpack command for your release file; *e.g.*:

```
tar xvf APDFLv6.1.0PlusP1d_SunOS-5.8.tar
```



```

C:\WINNT\system32\telnet.exe
SunOS 5.8
login: acg
Password:
Last login: Thu Aug 19 18:17:24 from 192.68.181.163
Sun Microsystems Inc. SunOS 5.8 Generic February 2000
starman(1): cd var/Datalogics
starman(2): ls
APDFLv6.1.0PlusP1d_SunOS-5.8.tar
starman(3): tar xvf APDFLv6.1.0PlusP1d_SunOS-5.8.tar
x dliinclude.tar, 45056 bytes, 88 tape blocks
x dliisamp.tar, 1632768 bytes, 3189 tape blocks
x dliSunOS-5.8.tar, 18816000 bytes, 36750 tape blocks
x SunOS-5.8.tar, 24805376 bytes, 48448 tape blocks
x unixinclude.tar, 2009088 bytes, 3924 tape blocks
x unixresource.tar, 44250112 bytes, 86426 tape blocks
x unixsamp.tar, 3939328 bytes, 7694 tape blocks
starman(4): _

```

This will unpack the release .tar file into several subsidiary .tar files.

3 Unpack each of the resulting .tar files in turn:

```

C:\WINNT\system32\telnet.exe
Last login: Thu Aug 19 18:17:24 from 192.68.181.163
Sun Microsystems Inc. SunOS 5.8 Generic February 2000
starman{1}: cd var/Datalogics
starman{2}: ls
APDFL6.1.0PlusPid_SunOS-5.8.tar
starman{3}: tar xvf APDFL6.1.0PlusPid_SunOS-5.8.tar
x dliinclude.tar, 45056 bytes, 88 tape blocks
x dliisamp.tar, 1632768 bytes, 3189 tape blocks
x dliSunOS-5.8.tar, 18816000 bytes, 36750 tape blocks
x SunOS-5.8.tar, 24805376 bytes, 48448 tape blocks
x unixinclude.tar, 2009088 bytes, 3924 tape blocks
x unixresource.tar, 44250112 bytes, 86426 tape blocks
x unixsamp.tar, 3939328 bytes, 7694 tape blocks
starman{4}: tar xvf SunOS-5.8.tar
x APDFL6.1.0/Libs, 0 bytes, 0 tape blocks
x APDFL6.1.0/Libs/libDL61XMP.so, 3117516 bytes, 6089 tape blocks
x APDFL6.1.0/Libs/libDL61ARE.so, 613449 bytes, 1199 tape blocks
x APDFL6.1.0/Libs/libDL61pdf1.so, 8564572 bytes, 16728 tape blocks
x APDFL6.1.0/Libs/libDL61BIB.so, 606172 bytes, 1184 tape blocks
x APDFL6.1.0/Libs/libDL61ACE.so, 1303701 bytes, 2547 tape blocks
x APDFL6.1.0/Libs/libDL61BIBUtils.so, 342820 bytes, 670 tape blocks
x APDFL6.1.0/Libs/libDL61JP2K.so, 744120 bytes, 1454 tape blocks
x APDFL6.1.0/Libs/libDL61AGM.so, 4511349 bytes, 8812 tape blocks
x APDFL6.1.0/Libs/libDL61CoolType.so, 4993110 bytes, 9753 tape blocks
starman{5}:

```

4 Subsidiary directories will be created as the unpacking process proceeds:

```

C:\WINNT\system32\telnet.exe
x APDFL6.1.0/Include/CorProcs.h, 11327 bytes, 23 tape blocks
x APDFL6.1.0/Include/PETypes.h, 1759 bytes, 4 tape blocks
x APDFL6.1.0/Include/CosCalls.h, 18960 bytes, 38 tape blocks
x APDFL6.1.0/Include/PIRequir.h, 6066 bytes, 12 tape blocks
x APDFL6.1.0/Include/UnixPlatform.h, 4830 bytes, 10 tape blocks
x APDFL6.1.0/Include/AcroColorExpT.h, 30276 bytes, 60 tape blocks
x APDFL6.1.0/Include/ASExtraExpT.h, 11895 bytes, 24 tape blocks
x APDFL6.1.0/Include/ASProcs.h, 81548 bytes, 160 tape blocks
x APDFL6.1.0/Include/PDMetadataHFTVers.h, 855 bytes, 2 tape blocks
x APDFL6.1.0/Include/PDFLInitCommonPriv.h, 1731 bytes, 4 tape blocks
x APDFL6.1.0/Include/CosProcs.h, 62163 bytes, 122 tape blocks
x APDFL6.1.0/Include/PDFLHFTVers.h, 429 bytes, 1 tape blocks
x APDFL6.1.0/Include/PIExcept.h, 2660 bytes, 6 tape blocks
x APDFL6.1.0/Include/PEError.h, 2412 bytes, 5 tape blocks
x APDFL6.1.0/Include/CosExpI.h, 7897 bytes, 16 tape blocks
x APDFL6.1.0/Include/PDSysFT.h, 1062 bytes, 3 tape blocks
x APDFL6.1.0/Include/PIVersn.h, 5051 bytes, 10 tape blocks
x APDFL6.1.0/Include/acroassert.h, 1668 bytes, 4 tape blocks
x APDFL6.1.0/Include/PDExpT.h, 187765 bytes, 367 tape blocks
x APDFL6.1.0/Include/PEExpT.h, 57285 bytes, 112 tape blocks
x APDFL6.1.0/Include/CorCalls.h, 20595 bytes, 41 tape blocks
x APDFL6.1.0/Include/CoreExpI.h, 8547 bytes, 17 tape blocks
x APDFL6.1.0/Include/AcroColorProcs.h, 4582 bytes, 9 tape blocks
x APDFL6.1.0/Include/PDMetadataExpT.h, 2370 bytes, 5 tape blocks
starman{6}:

```

- 5 After unpacking the last .tar file, the directories and subdirectories should be fully populated:

```

C:\WINNT\system32\telnet.exe
x DLI/Samples/AcroForm/makefile, 298 bytes, 1 tape blocks
x DLI/Samples/AcroForm/AcroFormSample.c, 17687 bytes, 35 tape blocks
x DLI/Samples/SignDoc, 0 bytes, 0 tape blocks
x DLI/Samples/SignDoc/rsassign.hpp, 2674 bytes, 6 tape blocks
x DLI/Samples/SignDoc/makefile, 301 bytes, 1 tape blocks
x DLI/Samples/SignDoc/signdoc.c, 8009 bytes, 16 tape blocks
x DLI/Samples/SignDoc/rsassign.cpp, 9728 bytes, 19 tape blocks
starman(11): ls
APDFL6.1.0
APDFLv6.1.0PlusPid_SunOS-5.8.tar SunOS-5.8.tar
DLI
dliinclude.tar
dliisamp.tar
starman(12): ls *
APDFLv6.1.0PlusPid_SunOS-5.8.tar SunOS-5.8.tar
dliinclude.tar
dliisamp.tar
dliSunOS-5.8.tar
dliSunOS-5.8.tar
APDFL6.1.0:
Include Libs Resource Samples
DLI:
Include Libs Samples
starman(13):

```

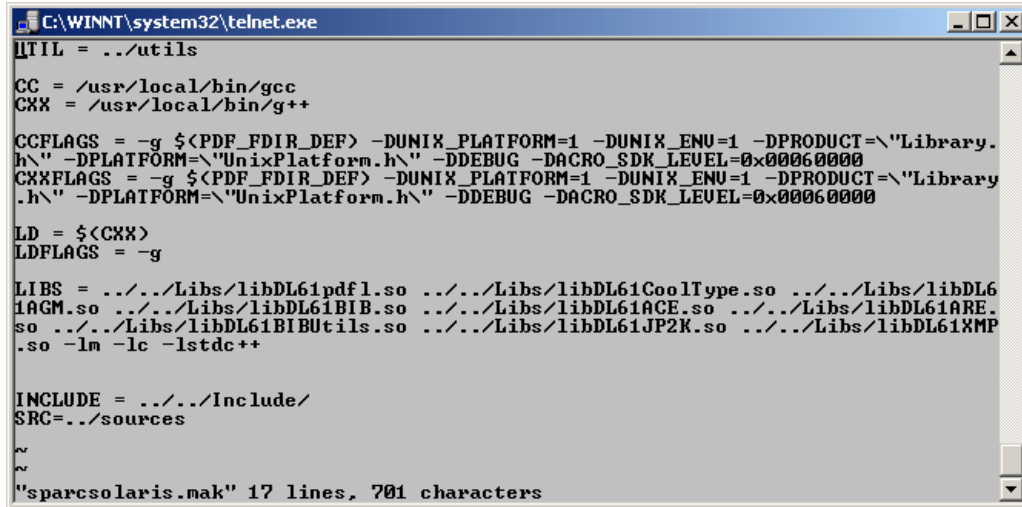
- 6 Under the /var/Datalogics/APDFL6.1.0 (or similar) branch that was just created, locate the *.mak file (whichever one is appropriate for your platform) within /APDFL6.1.0/Samples/ utils:

```

C:\WINNT\system32\telnet.exe
x DLI/Samples/SignDoc/makefile, 301 bytes, 1 tape blocks
x DLI/Samples/SignDoc/signdoc.c, 8009 bytes, 16 tape blocks
x DLI/Samples/SignDoc/rsassign.cpp, 9728 bytes, 19 tape blocks
starman(11): ls
APDFL6.1.0
APDFLv6.1.0PlusPid_SunOS-5.8.tar SunOS-5.8.tar
DLI
dliinclude.tar
dliisamp.tar
starman(12): ls *
APDFLv6.1.0PlusPid_SunOS-5.8.tar SunOS-5.8.tar
dliinclude.tar
dliisamp.tar
dliSunOS-5.8.tar
dliSunOS-5.8.tar
APDFL6.1.0:
Include Libs Resource Samples
DLI:
Include Libs Samples
starman(13): cd APDFL6.1.0/Samples/utils
starman(14): ls *.mak
hppahpux.mak ia32hpux.mak rs6000aix.mak
i80386linux.mak ia64hpux.mak sparcsolaris.mak
starman(15):

```

- 7 Under the /var/DataLogics/APDFL6.1.0/Samples/Utils (or similar) branch that you just created, locate and edit the appropriate *.mak file for your platform to point to the correct gcc and g++ locations, to ensure that make procedures will build correctly:



```

C:\WINNT\system32\telnet.exe
UTIL = ../utils

CC = /usr/local/bin/gcc
CXX = /usr/local/bin/g++

CFLAGS = -g $(PDF_FDIR_DEF) -DUNIX_PLATFORM=1 -DUNIX_ENV=1 -DPRODUCT=\"Library.
h\" -DPLATFORM=\"UnixPlatform.h\" -DDEBUG -DACRO_SDK_LEVEL=0x00060000
CXXFLAGS = -g $(PDF_FDIR_DEF) -DUNIX_PLATFORM=1 -DUNIX_ENV=1 -DPRODUCT=\"Library
.h\" -DPLATFORM=\"UnixPlatform.h\" -DDEBUG -DACRO_SDK_LEVEL=0x00060000

LD = $(CXX)
LDFLAGS = -g

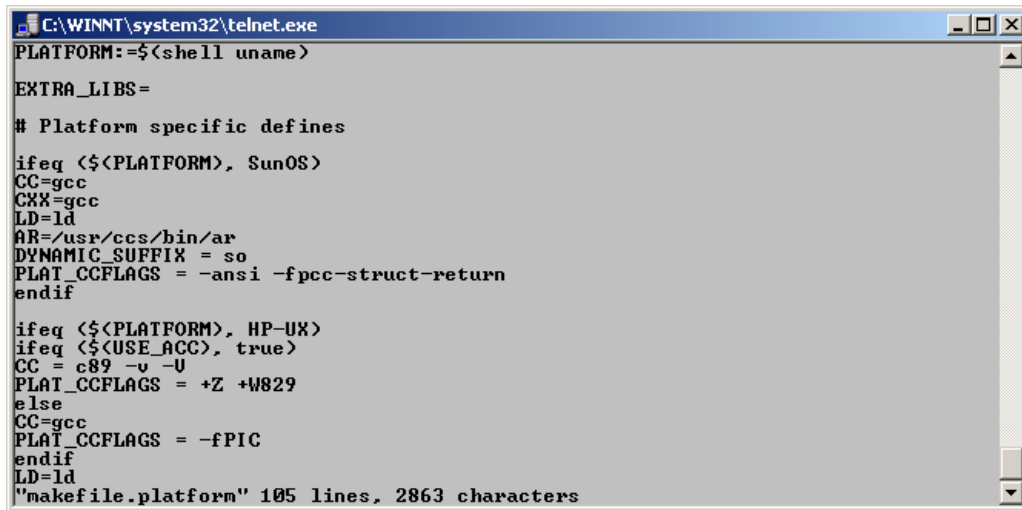
LIBS = ../../Libs/libDL61pdf1.so ../../Libs/libDL61CoolType.so ../../Libs/libDL6
1AGM.so ../../Libs/libDL61BIB.so ../../Libs/libDL61ACE.so ../../Libs/libDL61ARE.
so ../../Libs/libDL61BIBUtils.so ../../Libs/libDL61JP2K.so ../../Libs/libDL61XMP
.so -lm -lc -lstdc++

INCLUDE = ../../Include/
SRC=../sources

~
~
"sparcsolaris.mak" 17 lines, 701 characters

```

- 8 Do the same local modifications within /var/DataLogics/DLI/Samples/All to update gcc and g++ references in makefile.platform, which covers all platform building for DLI samples in one file using platform-specific conditional branches:



```

C:\WINNT\system32\telnet.exe
PLATFORM:=$(shell uname)

EXTRA_LIBS=

# Platform specific defines
ifeq ($(PLATFORM), SunOS)
CC=gcc
CXX=gcc
LD=ld
AR=/usr/ccs/bin/ar
DYNAMIC_SUFFIX = so
PLAT_CFLAGS = -ansi -fpcc-struct-return
endif

ifeq ($(PLATFORM), HP-UX)
ifeq ($(USE_ACC), true)
CC = c89 -v -U
PLAT_CFLAGS = +Z +W829
else
CC=gcc
PLAT_CFLAGS = -fPIC
endif
LD=ld
"makefile.platform" 105 lines, 2863 characters

```

- 9 Finally, set the environment variables appropriately (as described in the next chapter):

```
C:\WINNT\system32\telnet.exe
ifeq <${PLATFORM}, SunOS>
CC=gcc
CXX=gcc
LD=ld
AR=/usr/ccs/bin/ar
DYNAMIC_SUFFIX = so
PLAT_CCFLAGS = -ansi -fpcc-struct-return
endif

ifeq <${PLATFORM}, HP-UX>
ifeq <${USE_ACC}, true>
CC = c89 -v -U
PLAT_CCFLAGS = +Z +W829
else
CC=gcc
PLAT_CCFLAGS = -fPIC
endif
LD=ld
:q
starman<30>: setenv ACRO_RES_DIR /APDFL6.1.0/Resource/Cmap
starman<31>: setenv LD_LIBRARY_PATH /APDFL6.1.0/Libs:/DLI/Libs:/usr/local/lib
starman<32>: setenv OS sparcSolaris
starman<33>: setenv PSRESOURCEPATH /APDFL6.1.0/Resource/Cmap:/APDFL6.1.0/Resource/Font
starman<34>:
```

(See the appropriate listings for your platform in the section “Setting Environment Variables” on page 3.6)

- 10 At this point you should be able to build all samples by issuing a gmake command:

```
C:\WINNT\system32\telnet.exe
gmake[1]: Entering directory '/home/acg/var/Datalogics/DLI/Samples/Hellodli'
gcc -DINPUT_DIR=\"../@Data/\" -ansi -fpcc-struct-return -I. -I../Include
-I../APDFL6.1.0/Include -I/usr/include -o ./Hellodli hellodli.c -L../Libs
-L../APDFL6.1.0/Libs -LDL61pdf1 -LDL61ACE -LDL61ARE -LDL61XMP -LDL61BIB
-LDL61BIBUtils -LDL61CoolType -LDL61JP2K -lm -lc
gmake[1]: Leaving directory '/home/acg/var/Datalogics/DLI/Samples/Hellodli'
gmake[1]: Entering directory '/home/acg/var/Datalogics/DLI/Samples/AcroForm'
gcc -DINPUT_DIR=\"../@Data/\" -ansi -fpcc-struct-return -I. -I../Include
-I../APDFL6.1.0/Include -I/usr/include -o ./AcroForm AcroFormSample.c -L.
-L../Libs -ldli -licuuc -L../APDFL6.1.0/Libs -LDL61pdf1 -LDL61ACE -LDL61AR
E -LDL61XMP -LDL61BIB -LDL61BIBUtils -LDL61CoolType -LDL61JP2K -lm -lc
gmake[1]: Leaving directory '/home/acg/var/Datalogics/DLI/Samples/AcroForm'
gmake[1]: Entering directory '/home/acg/var/Datalogics/DLI/Samples/Annotations'
gcc -DINPUT_DIR=\"../@Data/\" -DIN_FILE=\"Image.pdf\" -ansi -fpcc-struct-retu
rn -I. -I../Include -I../APDFL6.1.0/Include -I/usr/include -o ./Annota
tions ExampleAnnot.c -L../Libs -ldli -licuuc -L../APDFL6.1.0/Libs -LDL6
1pdf1 -LDL61ACE -LDL61ARE -LDL61XMP -LDL61BIB -LDL61BIBUtils -LDL61CoolType -LDL6
1JP2K -lm -lc
gmake[1]: Leaving directory '/home/acg/var/Datalogics/DLI/Samples/Annotations'
gmake[1]: Entering directory '/home/acg/var/Datalogics/DLI/Samples/FontFaux'
gcc -DINPUT_DIR=\"../@Data/\" -ansi -fpcc-struct-return -I. -I../Include
-I../APDFL6.1.0/Include -I/usr/include -o ./FontFaux Fontfaux.c -L../Libs
-L../APDFL6.1.0/Libs -LDL61pdf1 -LDL61ACE -LDL61ARE -LDL61XMP -LDL61BIB
-LDL61BIBUtils -LDL61CoolType -LDL61JP2K -lm -lc
```

- 11 To install the documentation files on a Windows machine, see “Documentation Unpacking” on page 2.22.

DLI Installation Procedure

NOTE: In most cases, the *DLI* Installation procedures are part of the *Adobe PDF Library* installation process. You may only need to follow these steps if you are installing a *DLI* update separate from a Library delivery. Please see *APDFL* installation instructions for more information on *DLI* installation on those platforms.

UNIX-Related Platforms

The following procedure describes how to install the *Datalogics Interface (DLI)* on Unix-based platforms (e.g. AIX, HP-UX, IRIX, Linux or Sun Solaris):

- 1** Binary-ftp the `DLIxxx.tar` files from the *DLI* folder on the product CD (or your secure ftp download account on the `ftp.datalogics.com` website) to the desired location.
- 2** Untar the files:

```
tar -xvf <tar file>
```

- 3** Within your `All` directory, edit your `makefile.platform` to point to where the *Adobe PDF Library* and *DLI* files reside.

NOTE: The `makefile.platform` file covers several platforms; your section is under the specific area named by platform (e.g. `sun4-solaris` area).

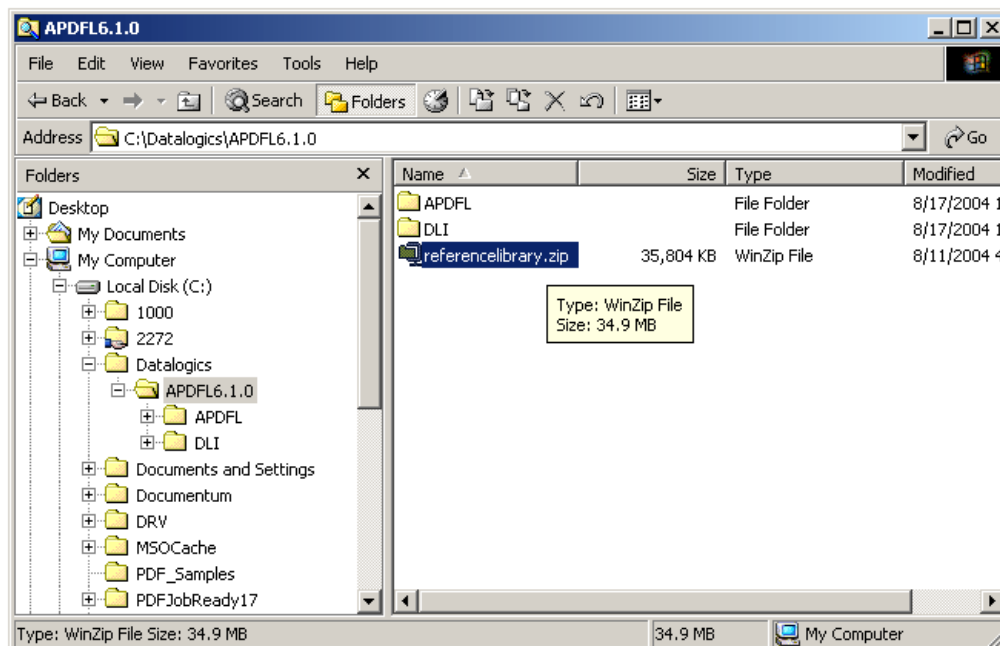
Documentation Unpacking

The *Adobe PDF Library* and *DLI* documentation suite is delivered in .zip file form, to be unpacked on a Windows machine in a tree directory structure that will allow quick reference, reading and searching of the various documents.

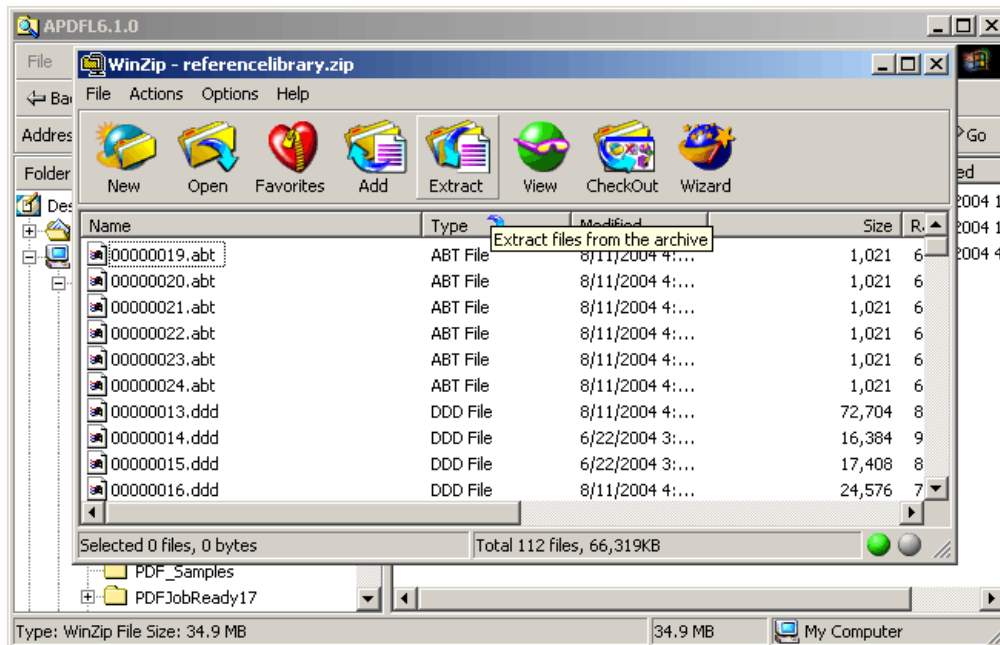
Documentation should be extracted to the same `C:\Datalogics\APDFLxxx\` location as that of the code installation. Be sure to allow it to create and unpack into subfolders, so that the correct tree structure of the documentation will be maintained. Index files suitable for *Adobe Catalog* search functions under *Adobe Acrobat* or *Adobe Reader* versions 5 and 6 are also included: `APDFLIndex5.pdx` and `APDFLIndex6.pdx` respectively.

Although the `C:\Datalogics\APDFLxxx\` location is recommended, the documentation files may be unpacked anywhere. Note that unpacking in a location other than `C:\Datalogics\APDFLxxx\` may require you to rebuild the `APDFLIndex5.pdx` or `APDFLIndex6.pdx` files (depending on version of *Acrobat* or *Reader* in use) before the *Catalog* search utility can be used.

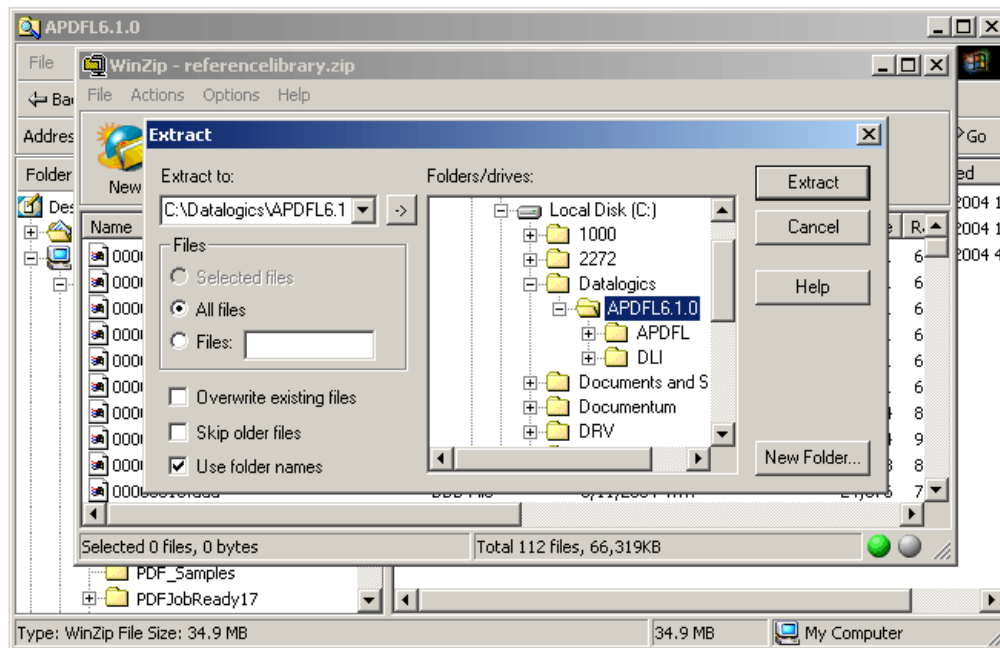
- 1 The *InstallShield* installation procedure should have created `\APDFL` and `\DLI` folders under a `C:\Datalogics\APDFLxxx\` directory path. Place the `referencelibrary.zip` file that you retrieved from the Datalogics website (or copied from your CD-ROM, if applicable) into the `C:\Datalogics\APDFLxxx\` folder:



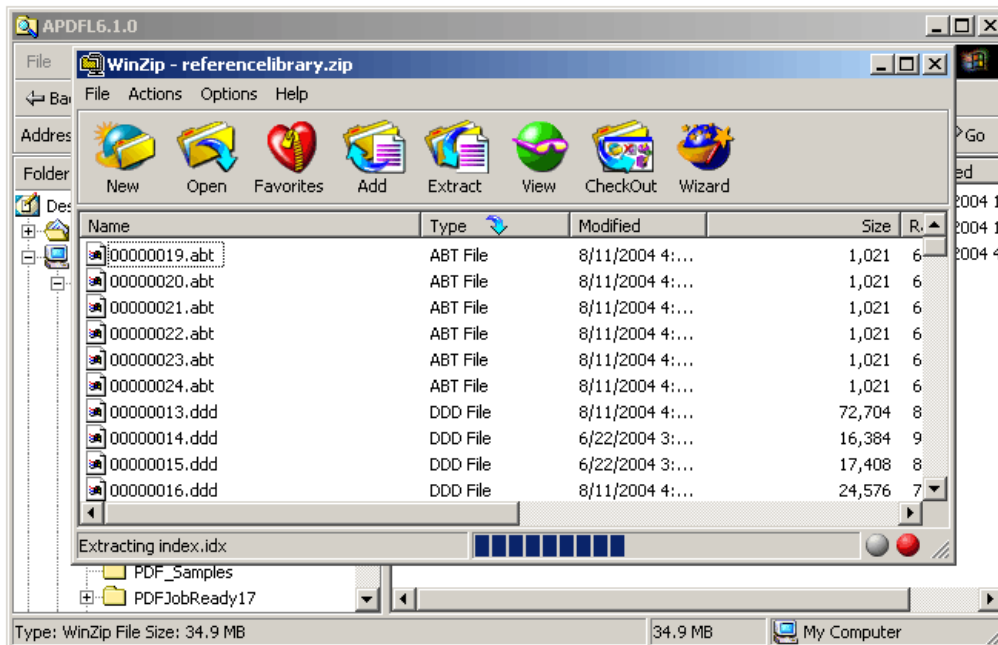
- 2 Unpack the file with *WinZip* or comparable utility:



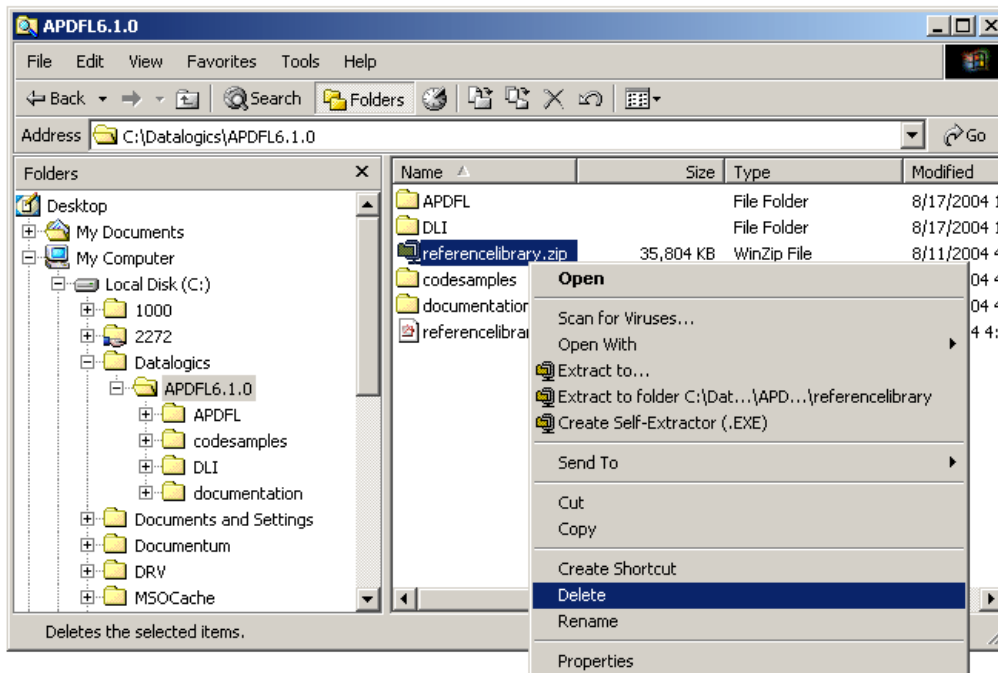
- 3 The folder names must be used when unpacking:



- 4 \Codesamples and \Documentation folders will be created as unpacking proceeds:



- 5 When complete, you can delete the referencelibrary.zip file:



Sample Jobs

Each product contains a collection of sample jobs illustrating various tasks. Each sample job is contained within its own subdirectory under its respective product, such as (on Windows platforms)

`C:\DataLogics\APDFLxxx\Apdf\Samples\` or `C:\DataLogics\APDFLxxx\Dli\Samples\`. You may use the `makefile.W32` included with each sample to build the job via the `NMAKE` command, or, on Windows, you can build applications via the supported development software for the Windows platforms, *Microsoft Visual Studio C++ v6.0* or *Microsoft Visual Studio .NET*. Project Workspace files (`all.dsw` under the `\APDFL` branch and `dli_samples.dsw` under the `\Dli` branch) are located in a `\Samples\All` subdirectory underneath both the `\ADPFL` and `\Dli` sample directories.

To compile and link a selected sample yourself, set your default to its subdirectory and issue the command:

```
nmake /f makefile.W32
```

This will compile and link the sample in a new `\Release` subdirectory under the current sample location.

In order to execute the sample program from the current directory, specify the path to the executable, or drop down into the `\Release` subdirectory to run it.

Some samples include referenced files that are located in the `@data` directory. These samples need to be run from the original sample directory with the release path included with the executable:

```
release\sampl.exe
```

For example, in order to run the *APDFL* `addimage` sample job you must type:

```
release\addimage.exe
```

as found in the `C:\DataLogics\APDFLxxx\Apdf\Samples\addimage` directory.

The program expects the data files to be in a location relative to the sample source directory, not relative to the `\Release` directory.

NOTE: The DLI DLL file `Dli_dll.dll` and other DLL files installed under *DLI* must be placed in a directory specified in your `PATH` definition in order for the sample executables to run correctly. They are initially installed in the `C:\DataLogics\APDFLxxx\DLI\Libs` directory. Be sure to remove or rename any previous copies which may be located elsewhere on your machine.

Configure

Your Environment

After the *Adobe PDF Library* and *DLI* have been installed, the development environment must be configured before you can incorporate the toolkits into your applications.

Building with the *Adobe PDF Library* and *DLI*

There are some platform-specific considerations that should be made when building and linking to the *Adobe PDF Library* and *DLI*. For more information regarding how to compile and link to the *Adobe PDF Library*, please see the *Adobe PDF Library* Overview manual. Notes on some specific platforms follow below.

IBM AIX

Adobe PDF Library v6.1.1Plus for IBM AIX is distributed only in dynamic-library form.

When building with the Library:

- Using either GCC or the XL C/C++ compiler in multithreaded mode to drive the linker is highly recommended; ld is not.
- The `libstdc++` and `libgcc` are usually included in the shared libraries. Check with your Datalogics Support representative if you need them and cannot find them in your release.
- The `LIBPATH` must be set for the resulting executables to locate all *APDFL* and *DLI* dynamic libraries (if necessary).

Linux

Adobe PDF Library v6.1.1Plus for Linux is distributed in dynamic library form.

When building with the Library:

- Using GCC to drive the linker is highly recommended; ld is not.
- The `libstdc++` and `libgcc` are usually included in the shared libraries. Check with your Datalogics Support representative if you need them and cannot find them in your release.
- The `LD_LIBRARY_PATH` must be set for the resulting executables to locate all *APDFL* and *DLI* dynamic libraries (if necessary).

MIPS IRIX

Adobe PDF Library v6.1.1Plus for MIPS IRIX is distributed in dynamic library form.

When building with the Library:

- The dynamic link may be done with either GCC or ld.
- The `libstdc++` and `libgcc` are usually included in the shared libraries. Check with your Datalogics Support representative if you need them and cannot find them in your release.
- The `LIBPATH` must be set for the resulting executables to locate all *APDFL* and *DLI* dynamic libraries (if necessary).

Sun Solaris

Adobe PDF Library v6.1.1Plus for Sun Solaris is distributed in dynamic library form.

When building with the Library:

- Using GCC to drive the linker is highly recommended; ld is not.
- The `libstdc++` and `libgcc` are usually included in the shared libraries. Check with your Datalogics Support representative if you need them and cannot find them in your release.
- The `LD_LIBRARY_PATH` must be set for the resulting executables to locate all *APDFL* and *DLI* dynamic libraries (if necessary).

Unresolved Symbol References on Unix

Adobe distributes the *Adobe PDF Library* on several Unix platforms (AIX, Linux and Sun Solaris) built with GCC. Some developers have experienced unresolved symbol references when linking the Library into applications built with non-GCC C and C++ compilers.

To resolve these references, if problems occur:

- 1 Obtain the GCC runtime library for the platform in question.
- 2 Extract the individual objects from the GCC runtime:
`ar -x <libgcc_runtime_library_name>`
- 3 Build a helper library consisting of the objects which contain the symbols with unresolved references.

Those which have been incorporated successfully to date include:

- `bsearch.o`
- `ctime.o`
- `_op_delete.o`
- `_new_handler.o`
- `_op_new.o`
- `frame.o`
- `tinfo.o`
- `_eh.o`
- `_dummy.o`
- `exception.o`
- `_pure.o`
- `_op_vnew.o`
- `vdel.o`
- `_eprintf.o`
- `tinfo2.o`

NOTE: This is a representative list only; the actual list of unresolved references may vary.

- 4 Include the helper library in the application build.

Accessing Font Information

The standard fonts (also known as the Base 14 fonts) are assumed to be present on any machine handling PDF or PostScript documents. Those fonts are:

- Courier
- Courier-Bold
- Courier-Oblique
- Courier-BoldOblique
- Helvetica
- Helvetica-Bold
- Helvetica-Oblique
- Helvetica-BoldOblique
- Times-Roman
- Times-Bold
- Times-Italic
- Times-BoldItalic
- Symbol
- ZapfDingbats

NOTE: PDF files that do not have embedded Base 14 fonts will have smaller file sizes. However, the Base 14 fonts are the only fonts which may be reliably omitted from PDF files. Adobe and Datalogics recommend that applications embed and subset all fonts wherever possible. See the accompanying Adobe PDF Reference Manual for more information.

It's important to understand that the Base 14 fonts are not provided in the *Adobe PDF Library* release; it is assumed that you already have them on your system, and that they are available to *Adobe PDF Library* and *Adobe Acrobat* (or *Adobe Reader*) applications.

OS/400

Font resources must be placed in the *Integrated File System* (IFS) and referenced by the application via the `dirList` pointer within the `PDFLDataRec` structure passed to the `PDFLInit` function.

The minimum set of resources consists of two Multi-Master fonts (Serif and Sans Serif), Symbol and ZapfDingbat fonts. All of these are known by name to the code and must be present in resources.

Setting Environment Variables

Resources must be specified by the methods presented in the *Adobe PDF Library* Overview manual. It is assumed that the resource specification will point to all necessary resources for the job.

Specifying CMaps for PDWordFinder Use

In particular, you should ensure that your application can find useful CMap files via its `ACRO_RES_DIR` definition whenever using `PDWordFinder` to extract text from a document. Especially in the case of CIDType0 fonts, a `/ToUnicode` table is not always included, and so the *Adobe PDF Library* should have access to the Adobe-supplied "UCS2- . . ." CMaps in order to achieve a conversion from a multibyte format to a Unicode one.

NOTE: Beginning with *Adobe PDF Library* v6.0.0Plus and *DLI* v3.0, the Resource folder names `\Resource\CMaps` and `\Resource\Fonts` have been renamed to the singular forms `\Resource\Cmap` and `\Resource\Font` respectively. Applications built under *Adobe PDF Library* v5.x or earlier which reference these folders by name must be updated for use with the v6.x releases.

HP IA32 Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

OS Operating System

```
setenv OS ia32hpux
```

CAUTION: As of *Adobe PDF Library v6.1.1* and *DLI v3.0.22*, proper setting of the **OS** (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

SHLIB_PATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv SHLIB_PATH
/APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

CAUTION: Under some circumstances a link error may occur if **libdli.sl** attempts to fully specify a path to the location of **libAGM.sl**. If this occurs, use the **chatr** command to direct it to stop specifying paths to library locations:

```
chatr +b disable +s enable libname
```

In this case the **libname** is **libdli.sl**. Although the error message refers to a problem in the location for **libAGM.sl**, it is **libdli.sl** which is issuing that incorrect path. The **chatr** command will direct **libdli.sl** to stop specifying a path for **libAGM.sl**.

The user must either be in the **DLI/Libs** directory or fully qualify the **libname** (*e.g.* **/datalogics/DLI/libdli.sl**).

HP IA64 Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

OS Operating System

```
setenv OS ia64hpux
```

CAUTION: As of *Adobe PDF Library* v6.1.1 and *DLI* v3.0.22, proper setting of the OS (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH  
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

SHLIB_PATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv SHLIB_PATH  
/APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

CAUTION: Under some circumstances a link error may occur if **libdli.sl** attempts to fully specify a path to the location of **libAGM.sl**. If this occurs, use the **chatr** command to direct it to stop specifying paths to library locations:

```
chatr +b disable +s enable libname
```

In this case the libname is **libdli.sl**. Although the error message refers to a problem in the location for **libAGM.sl**, it is **libdli.sl** which is issuing that incorrect path. The **chatr** command will direct **libdli.sl** to stop specifying a path for **libAGM.sl**.

The user must either be in the **DLI/Libs** directory or fully qualify the libname (*e.g.* **/datalogics/DLI/libdli.sl**).

HP PA-RISC Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

OS Operating System

```
setenv OS hppahpux
```

CAUTION: As of *Adobe PDF Library v6.1.1* and *DLI v3.0.22*, proper setting of the **OS** (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

SHLIB_PATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv SHLIB_PATH
/APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

CAUTION: Under some circumstances a link error may occur if **libdli.sl** attempts to fully specify a path to the location of **libAGM.sl**. If this occurs, use the **chatr** command to direct it to stop specifying paths to library locations:

```
chatr +b disable +s enable libname
```

In this case the libname is **libdli.sl**. Although the error message refers to a problem in the location for **libAGM.sl**, it is **libdli.sl** which is issuing that incorrect path. The **chatr** command will direct **libdli.sl** to stop specifying a path for **libAGM.sl**.

The user must either be in the **DLI/Libs** directory or fully qualify the libname (*e.g.* **/datalogics/DLI/libdli.sl**).

IBM AIX Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

LIBPATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv LIBPATH /APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

OS Operating System; *e.g.*

```
setenv OS aixgcc (for gcc v3.3 compiler)
setenv OS rs6000aix (for XL C/C++ VisualAge compiler)
```

CAUTION: As of *Adobe PDF Library* v6.1.1 and *DLI* v3.0.22, proper setting of the OS (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

IBM AS/400 Platform

The following environment variables are recommended in conjunction with your application's dirlist settings.

ACRO_RES_DIR Specifies the location of your CMap files.

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

PSRESOURCEPATH Specifies a single location of all your fonts.

When the SAVF is restored, an object (`sample`)B will be created. If `Run(16)` it will compile and link, building the application that you may then `Run(16)`.

If removed, these files may be recreated by compiling the member in the PROC file.

IBM USS Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
export ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

LIBPATH A colon-separated list specifying all of your library file locations; *e.g.*

```
export LIBPATH /APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

OS Operating System; *e.g.*

```
export OS os390-ibm
```

CAUTION: As of *Adobe PDF Library* v6.1.1 and *DLI* v3.0.22, proper setting of the OS (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
export PSRESOURCEPATH  
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

IRIX Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

LD_LIBRARY_PATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv LD_LIBRARY_PATH
/APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

OS Operating System

```
setenv OS mips32irix
```

CAUTION: As of *Adobe PDF Library* v6.1.1 and *DLI* v3.0.22, proper setting of the OS (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

Linux Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

LD_LIBRARY_PATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv LD_LIBRARY_PATH  
/APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

OS Operating System

```
setenv OS i80386linux
```

CAUTION: As of *Adobe PDF Library* v6.1.1 and *DLI* v3.0.22, proper setting of the OS (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH  
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

Macintosh Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

LD_LIBRARY_PATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv LD_LIBRARY_PATH
/APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

OS Operating System

```
setenv OS macintosh
```

CAUTION: As of *Adobe PDF Library* v6.1.1 and *DLI* v3.0.22, proper setting of the OS (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

Solaris Platform

The following environment variables must be defined prior to building applications.

ACRO_RES_DIR Specifies the location of your CMap files; *e.g.*

```
setenv ACRO_RES_DIR /APDFL6.1.1/Resource/Cmap
```

Also see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

LD_LIBRARY_PATH A colon-separated list specifying all of your library file locations; *e.g.*

```
setenv LD_LIBRARY_PATH  
/APDFL6.1.1/Libs:/DLI/Libs:/usr/local/lib
```

OS Operating System

```
setenv OS sparcsolaris
```

CAUTION: As of *Adobe PDF Library* v6.1.1 and *DLI* v3.0.22, proper setting of the OS (Operating System) variable is now required in order to correctly build the *DLI* sample applications.

PSRESOURCEPATH A colon-separated list specifying all of your resources, a list of directories to search for fonts; *e.g.*

```
setenv PSRESOURCEPATH  
/APDFL6.1.1/Resource/Cmap:/APDFL6.1.1/Resource/Font
```

Windows Platforms

There are no required environment variables that must be defined prior to building applications. However, please see important details in “Specifying CMaps for PDWordFinder Use” on page 3.6 (preceding).

Other Platforms

Resources must be specified by the methods presented in the *Adobe PDF Library* Overview manual. It is assumed that the resource specification will point to all necessary resources for the job.

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